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TITLE:	Thermal Gradient Enhanced CVD Deposition at Low Pressure
PATENT NO.:	6,780,464
U.S. SERIAL NO.:	09/954,705
FILING DATE:	9/10/01
ISSUE DATE:	8/24/04
INVENTOR:	Cook et al.
EXAMINER:	Timothy Howard Meeks
GROUP ART UNIT:	1762
CONFIRMATION NO.:	8851

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PTO/SB/21 (04-04)

Approved for use through 07/31/2006, OMB 0651-0031

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

3

Application Number

09/954,705 (Patent No. 6,780,464)

Filing Date

9/10/01 (Issue Date 8/24/04)

First Named Inventor

Brors et al.

Art Unit

1762

Examiner Name

Timothy Howard Meeks

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Attorney Docket Number

85007-0261905

ENCLOSURES (check all that apply)

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|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to Technology Center (TC) |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment / Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter |
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| <input type="checkbox"/> Certified Copy of Priority Document(s) | | |
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| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Frederick Kim, Reg. No. 38,513 Moser Patterson & Sheridan, LLP
Signature	
Date	October 29, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Frederick Kim
Signature	
Date	October 29, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/47 (07-03)

Approved for use through 06/31/2008, OMB 0651-0016
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Please recognize as the "Fee Address" under the provisions of 37 CFR 1.363 the following address associated with the following customer number:

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OR

Request for Customer Number (PTO/SB/125) attached hereto

In the following listed application(s) for which the Issue Fee has been paid or patent(s).

PATENT NUMBER (if known)	APPLICATION NUMBER
6,780,464	09/954,705

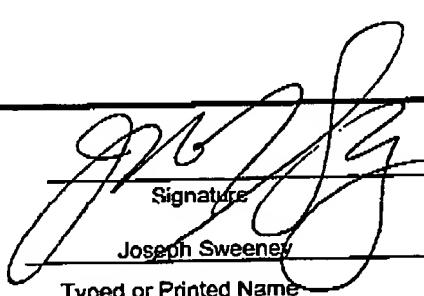
Completed by (check one)

Applicant/Inventor

Attorney or Agent of record _____
(Reg. No.)

Assignee of record of the entire interest. See
37 CFR 3.71. Statement under 37 CFR 3.73(b)
is enclosed. (Form PTO/SB/96)

Assignee recorded at Reel 015027 Frame 0787



Signature

Joseph Sweeney

Typed or Printed Name

408.748.5420

Requester's telephone number

10/26/04

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.
Submit multiple forms if more than one signature is required, see below*.

*Total of 1 forms is submitted.

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PTO/SB/96 (06-04)

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Applied Materials, Inc.Application No./Patent No.: 6,780,464 (App. No. 09/954,705) Filed/Issue Date: 8/24/04Entitled: Thermal Gradient Enhanced CVD Deposition at Low PressureApplied Materials, Inc. a Corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title, and interest

The extent (by percentage) of its ownership interest is %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below.

1. From: Robert C. Cook and Daniel L. Brows To: Torrex Equipment Corporation

The document was recorded in the United States Patent and Trademark Office at Reel 012319, Frame 0535, or for which a copy thereof is attached.

2. From: Torrex Equipment Corporation To: Applied Materials, Inc.

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3. From: _____ To: _____

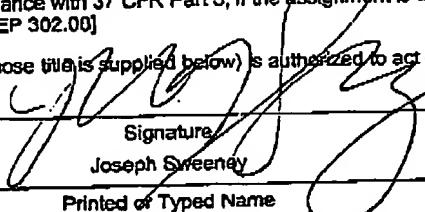
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Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.


 Date 10/26/04

Signature

Joseph Sweeney

Printed or Typed Name

Date

408.748.6420

Telephone Number

Group Vice President, Legal Affairs and Intellectual
Property and Corporate Secretary

Title

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